

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A method of producing a biomaterial measuring device that uses an electrochemical assay, comprising:

forming a plurality of reaction elements, to which an assay reagent is applied, on a first substrate;

cutting the resulting first substrate in a unit of individual reaction element; and

attaching a first substrate piece, which is formed by cutting the resulting first substrate in the unit of individual reaction element, to a predetermined portion of a second substrate having more than one capillary for feeding a biomaterial therethrough.

2. (Original) The method as set forth in claim 1, wherein a plurality of first substrate pieces, which are formed by cutting the resulting first substrate in the unit of individual reaction element, is attached to the second substrate.

3.-5. (Cancelled)

6. (Original) The method as set forth in claim 1, wherein the second substrate is made of any one selected from the group consisting of plastic, glass, and semiconductor wafer.

7. (Currently amended) The method as set forth in claim 1, wherein the assay reagent is used to measure a biomaterial through an electrochemical assay, and the formation of the plurality of reaction elements comprises:

forming at least two first electrodes on a first side of the first substrate; and

applying the assay reagent throughout the first electrodes.

8. (Original) The method as set forth in claim 7, further comprising:

forming a second electrode on a second side of the first substrate, which is opposite to the first side; and

electrically connecting at least one of the first electrodes on the first side to the second electrode on the second side.

9. (Original) The method as set forth in claim 1, further comprising mounting a dehumidifying agent for removing moisture, which is introduced from an environment to the assay reagent, on a predetermined portion of the biomaterial measuring device while the dehumidifying agent is isolated from the environment.

10. (Currently amended) A method of producing a biomaterial measuring device that uses an electrochemical assay, comprising:

forming a plurality of first reaction elements, to which a first assay reagent is applied, on a first substrate;

forming a plurality of second reaction elements, to which a second assay reagent is applied, on a second substrate;

cutting the first and second substrates in a unit of individual reaction element; and

attaching first and second substrate pieces, which are formed by cutting the first and second substrates in the unit of individual reaction element, to predetermined portions of a third substrate having more than one capillary for feeding a biomaterial therethrough.

11. (Currently amended) A biomaterial measuring device that uses an electrochemical assay, comprising:

a first substrate;

an assay reagent which is applied on an entire first side of the first substrate to form a reaction element; and

a second substrate, on which the first substrate is mounted to form capillaries enable the assay reagent to form a path for introducing a biomaterial therethrough.

12.-14. (Cancelled)

15. (Original) The biomaterial measuring device as set forth in claim 11, wherein the second substrate is made of any one selected from the group consisting of plastic, glass, and semiconductor wafer.

16. (Currently amended) The biomaterial measuring device as set forth in claim 11, wherein the reaction element includes at least two first electrodes formed on the first side of the first substrate, and the assay reagent is used to measure the biomaterial through an electrochemical assay and is applied throughout the first electrodes.

17. (Original) The biomaterial measuring device as set forth in claim 16, further comprising a second electrode which is formed on a second side of the first substrate, opposite to the first side, and which is electrically connected to at least one of the first electrodes on the first side.

18. (Original) The biomaterial measuring device as set forth in claim 17, wherein the first electrodes on the first side are electrically connected to the second electrode on the second side through a via hole which is formed through the first substrate, a wall of which is coated with a conductor.

19. (Original) The biomaterial measuring device as set forth in claim 11, further comprising a dehumidifying agent which is mounted on a predetermined portion of the biomaterial measuring device so that the dehumidifying agent is isolated from an environment and which removes moisture introduced from the environment to the assay reagent.